

FIG.1

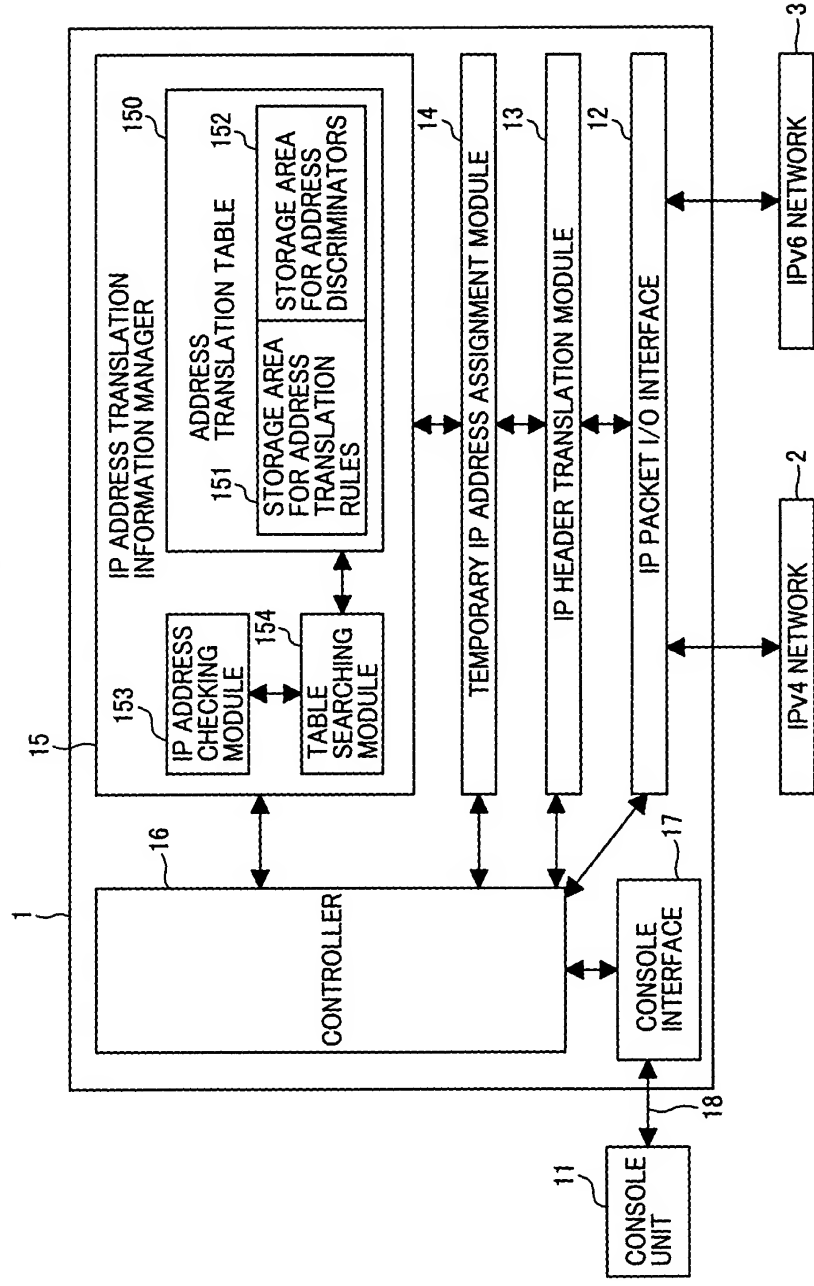


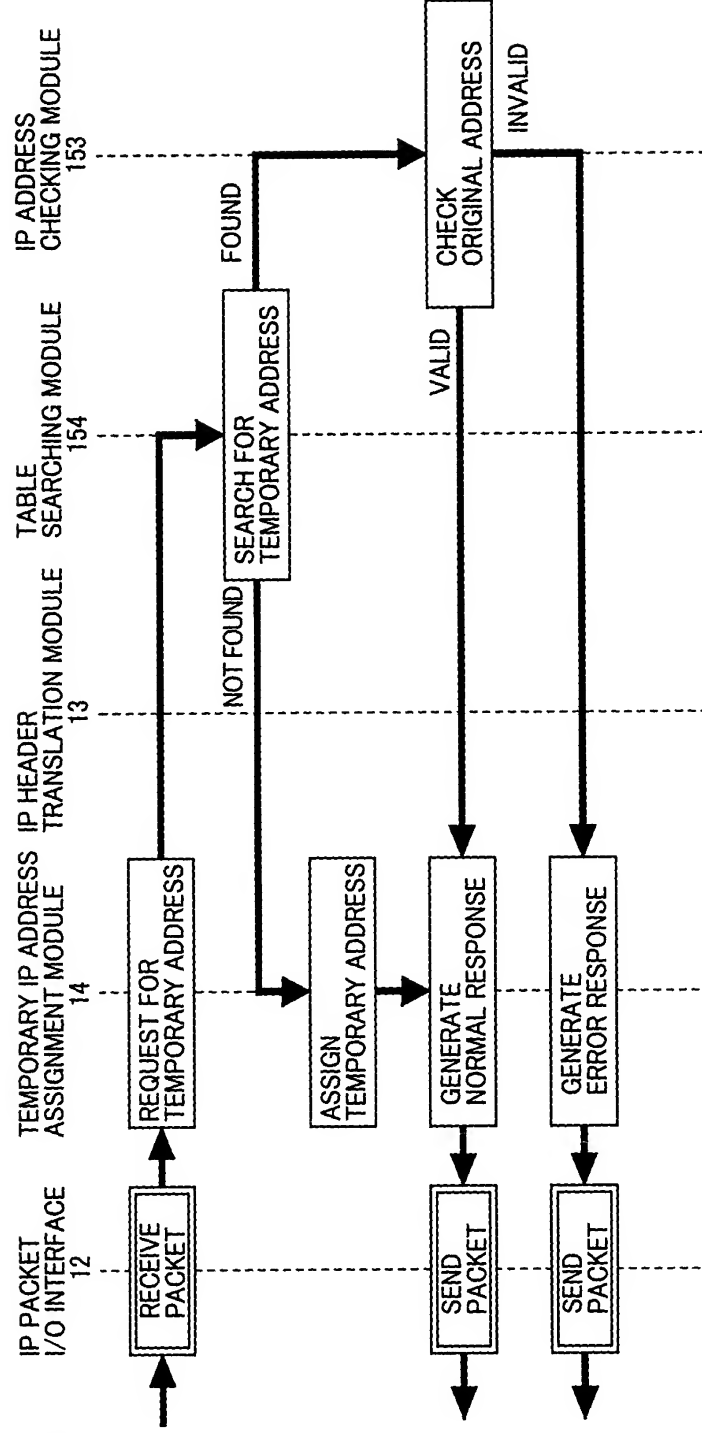
FIG.2A

No.	ADDRESS TRANSLATION RULES	
	IPv4 ADDRESS	IPv6 ADDRESS
1	133.11.98.1	2001:1::1
2	133.144.10.1	3ffe:1::8590:0a01
3	133.11.98.1	2001:1::1
⋮	⋮	⋮
n		

FIG.2B

No.	ADDRESS TRANSLATION RULES		ADDRESS DISCRIMINATOR
	IPv4 ADDRESS	IPv6 ADDRESS	
1	133.11.98.1	2001:1::1	0
2	133.144.10.1	3ffe:1::8590:0a01	1
3	133.11.98.1	2001:1::1	0
⋮	⋮	⋮	⋮
n			

FIG.3



```

graph TD
    12[RECEIVE PACKET] --> 14[QUERY FOR NEW DESTINATION ADDRESS]
    14 -- NOT FOUND --> DISCARD1[DISCARD PACKET]
    14 -- FOUND --> 153[CHECK NEW DESTINATION ADDRESS]
    153 -- INVALID --> DISCARD1
    153 -- VALID --> 154[NOTICE OF NEW DESTINATION ADDRESS]
    154 --> 14a[QUERY FOR NEW SOURCE ADDRESS]
    14a -- NOT FOUND --> DISCARD2[DISCARD PACKET]
    14a -- FOUND --> 153[CHECK ORIGINAL SOURCE ADDRESS]
    153 -- INVALID --> DISCARD2
    153 -- VALID --> 154[NOTICE OF NEW SOURCE ADDRESS]
    154 --> 14b[TRANSLATE IP HEADER]
    14b --> 12[SEND PACKET]
  
```

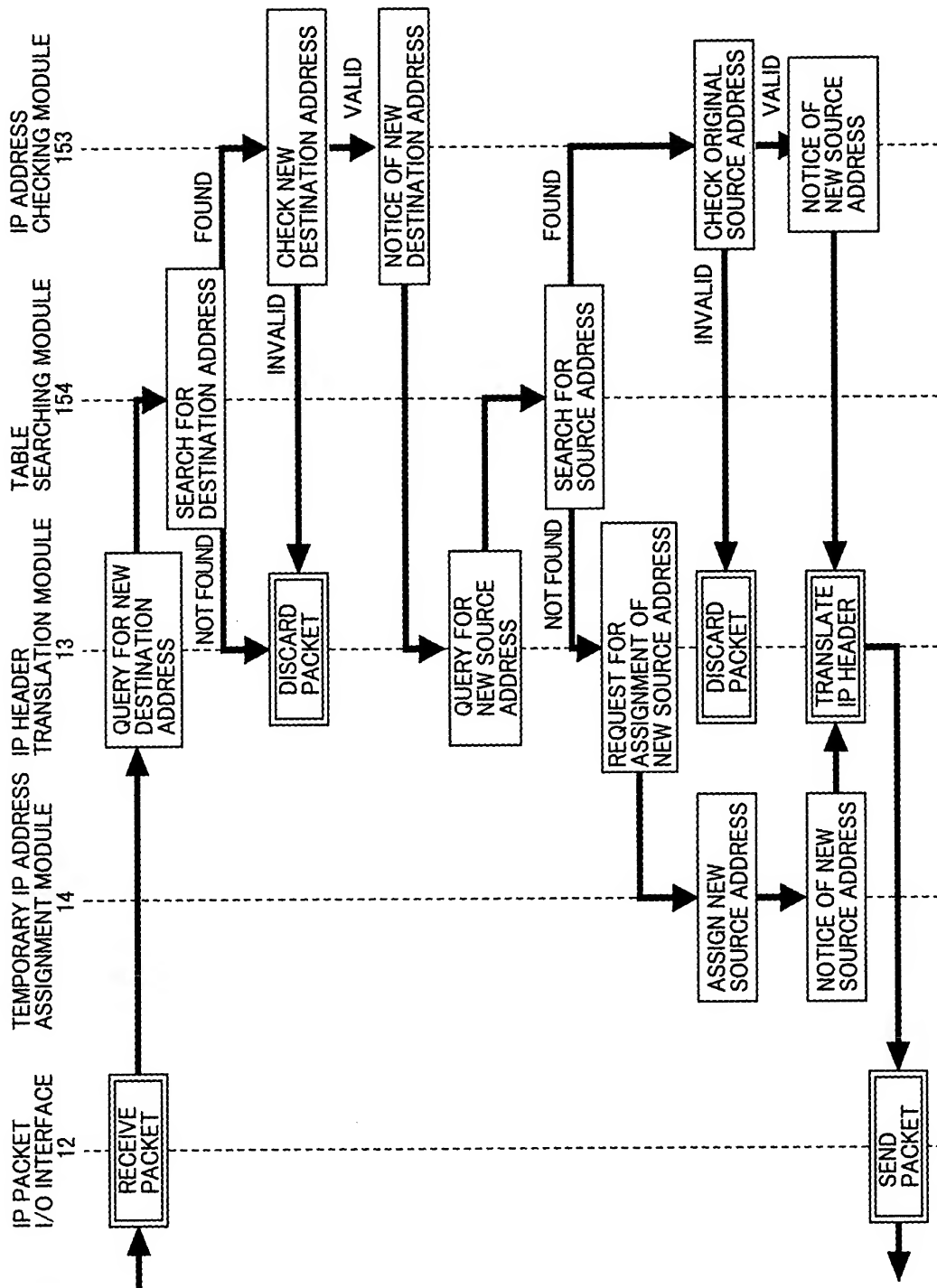


FIG.5

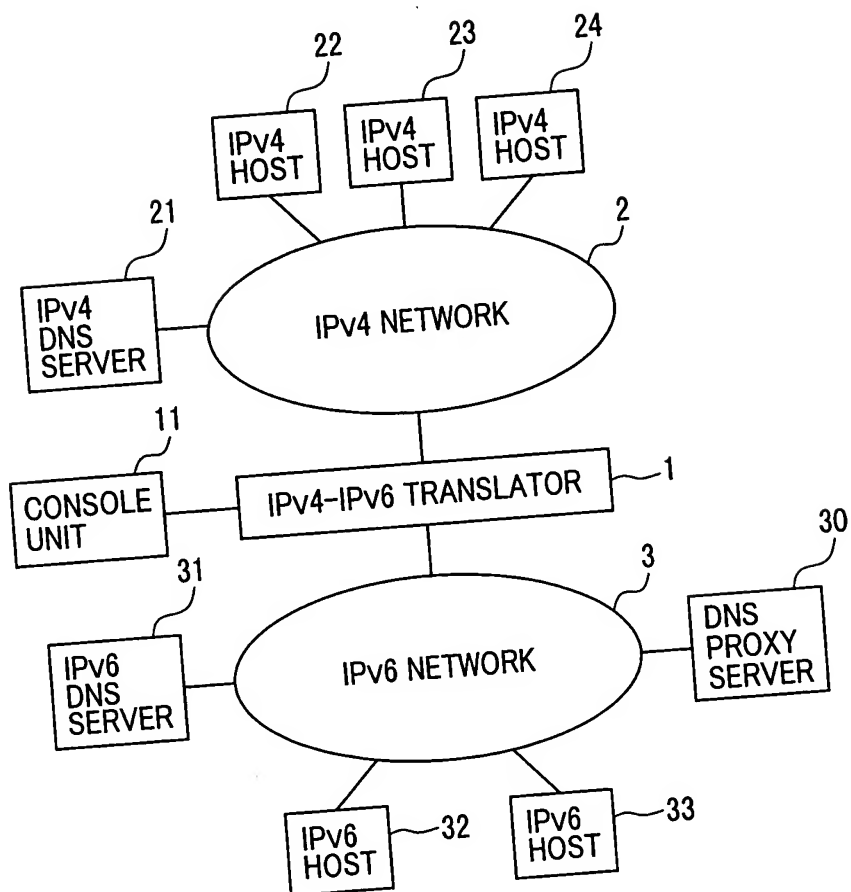


FIG.6

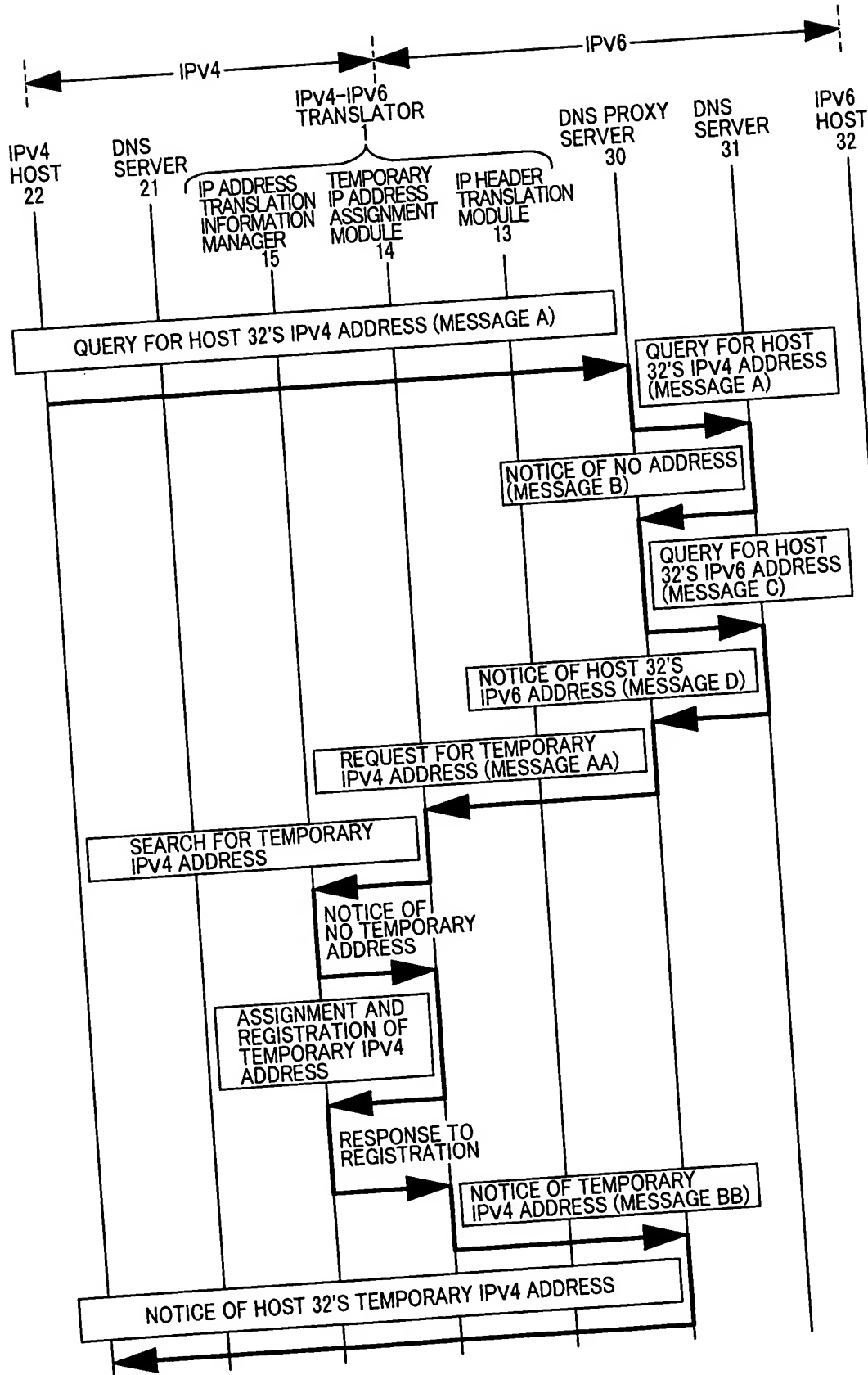


FIG.7

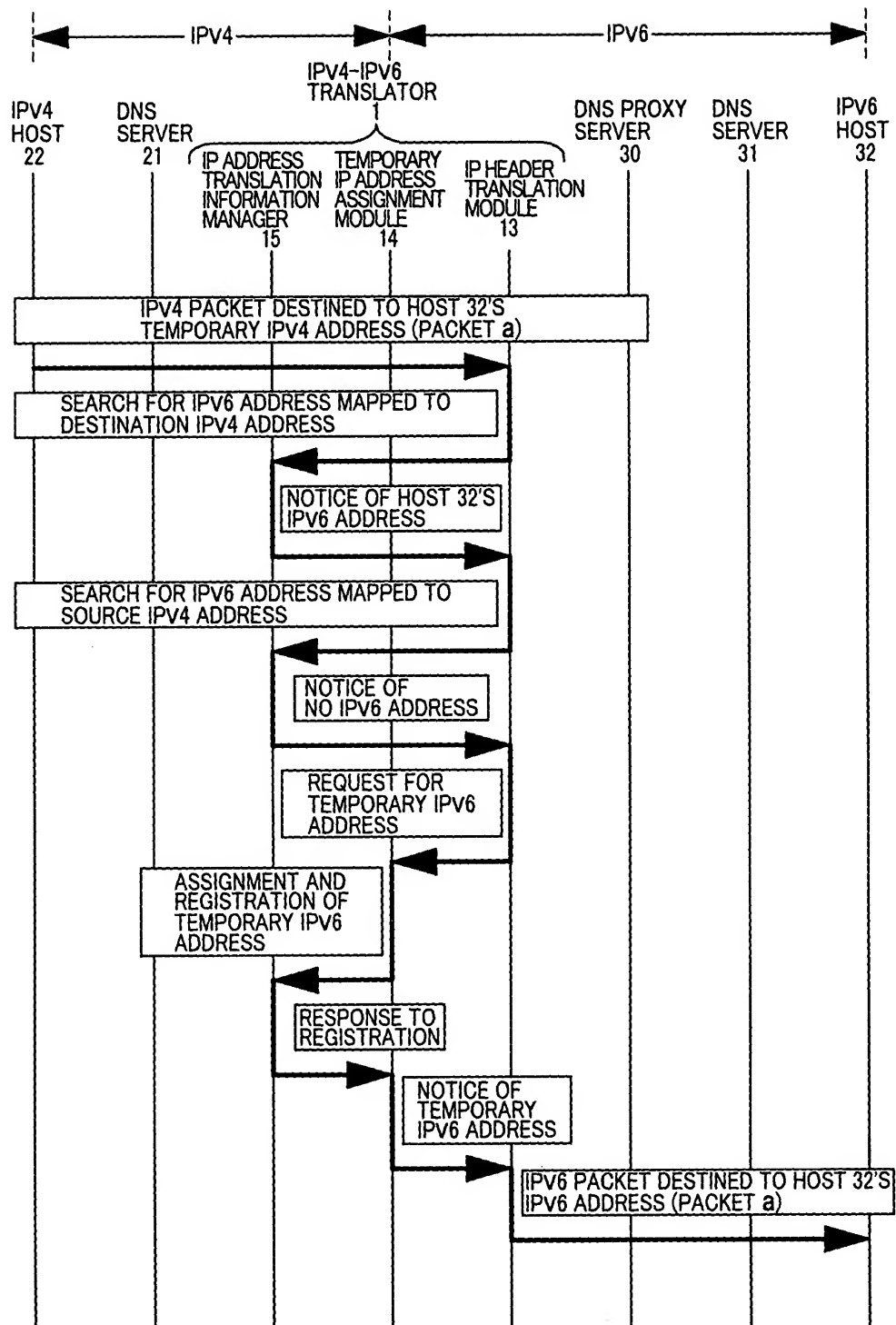


FIG.8

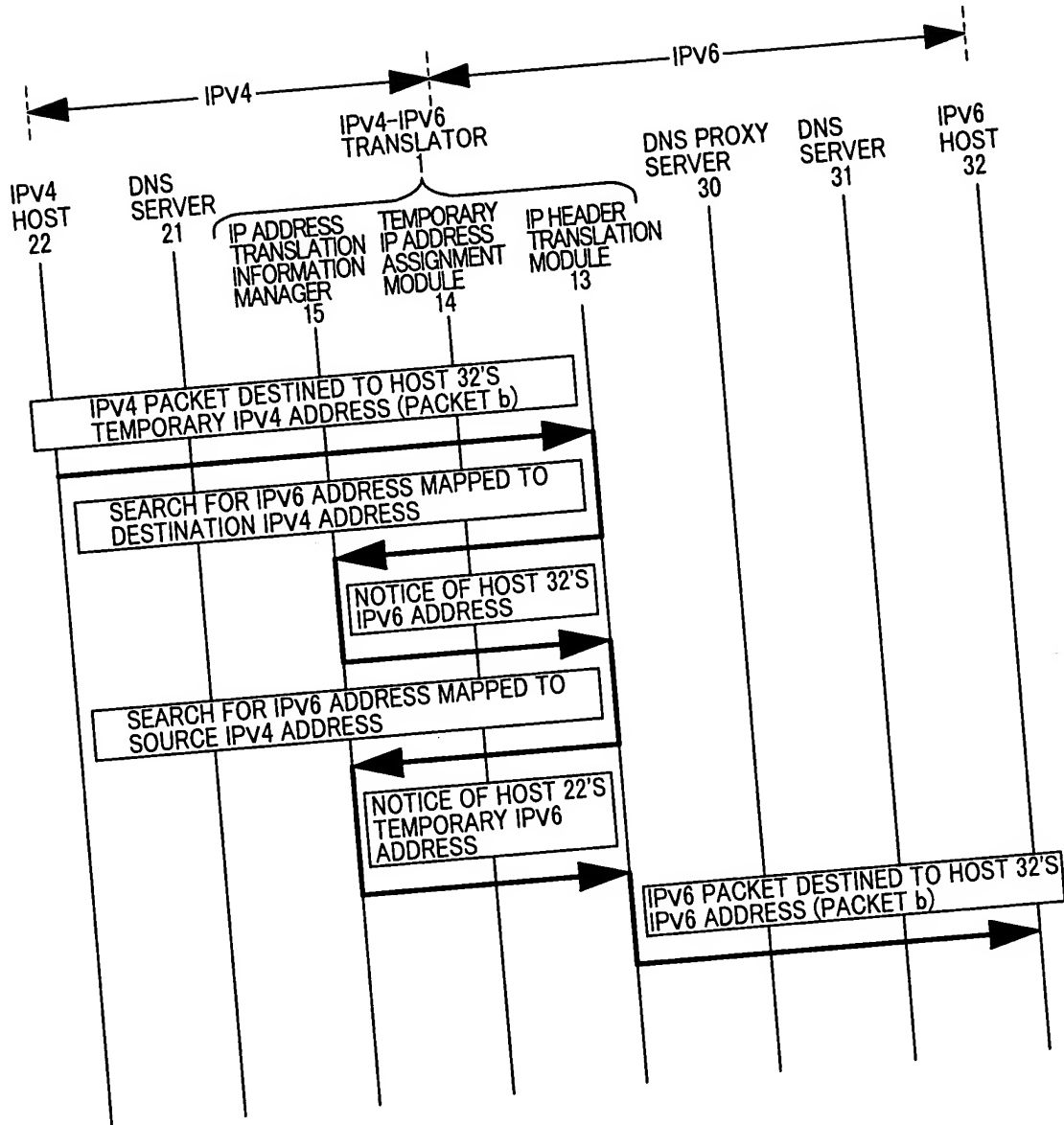


FIG.9

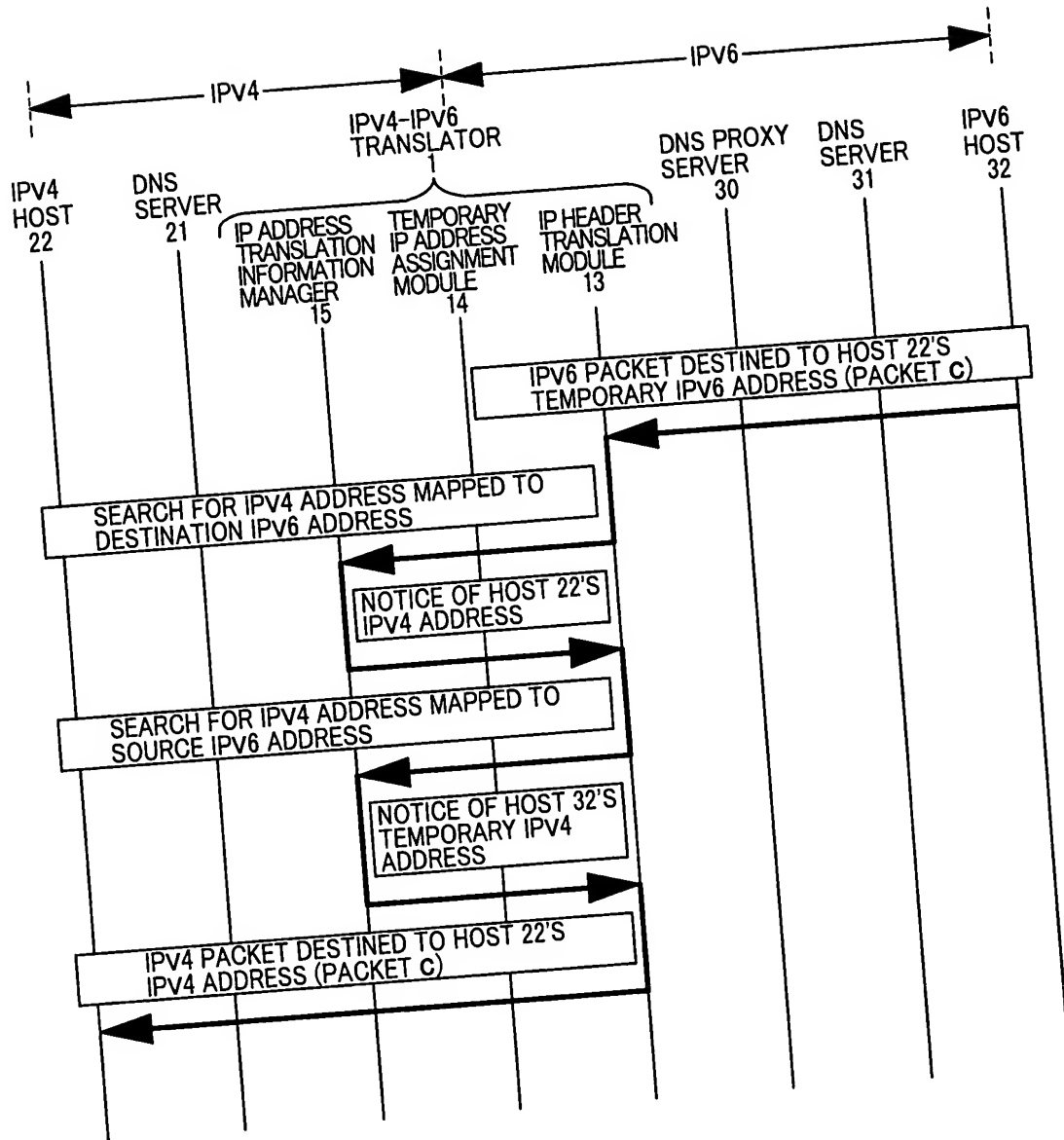


FIG.10

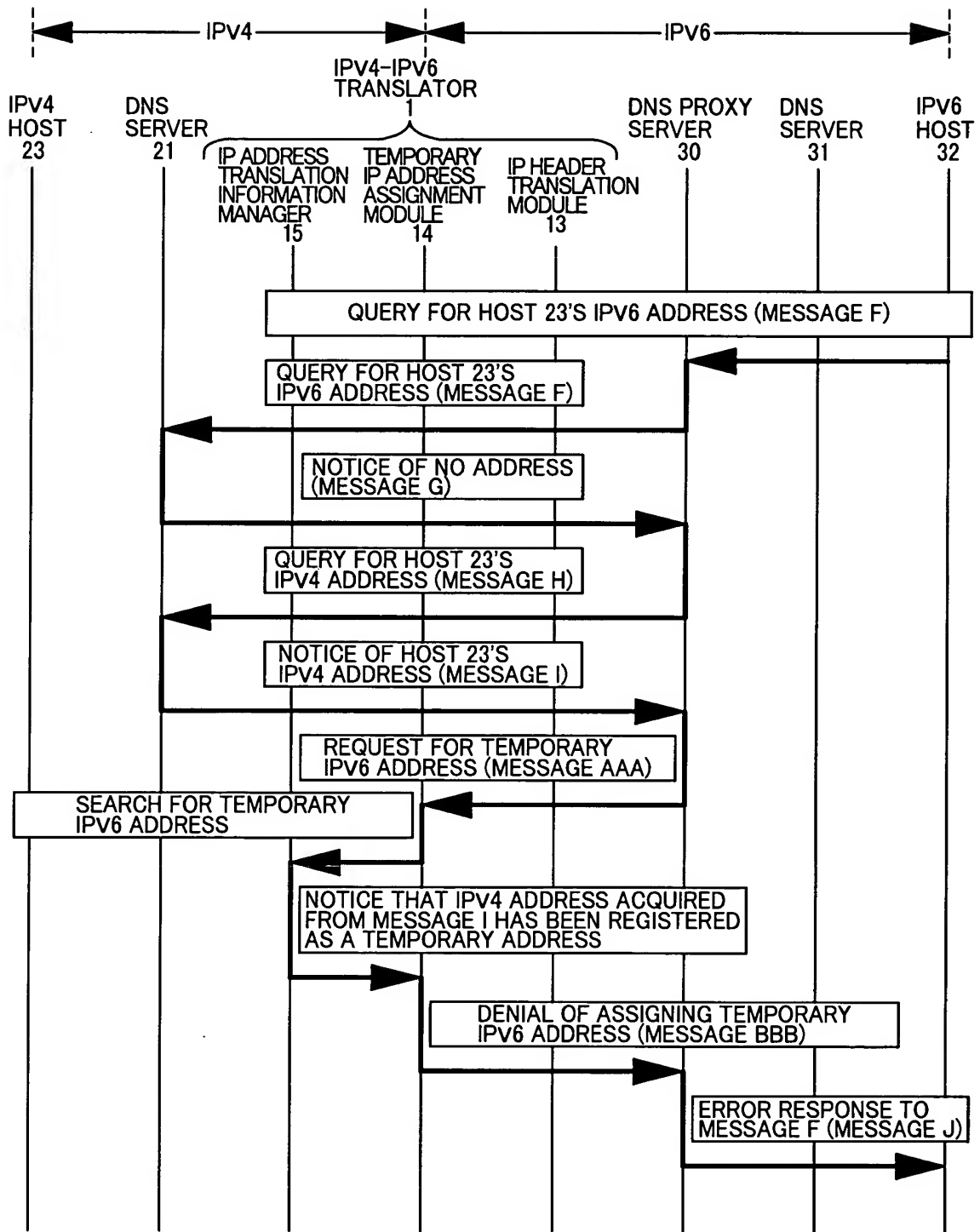


FIG.11

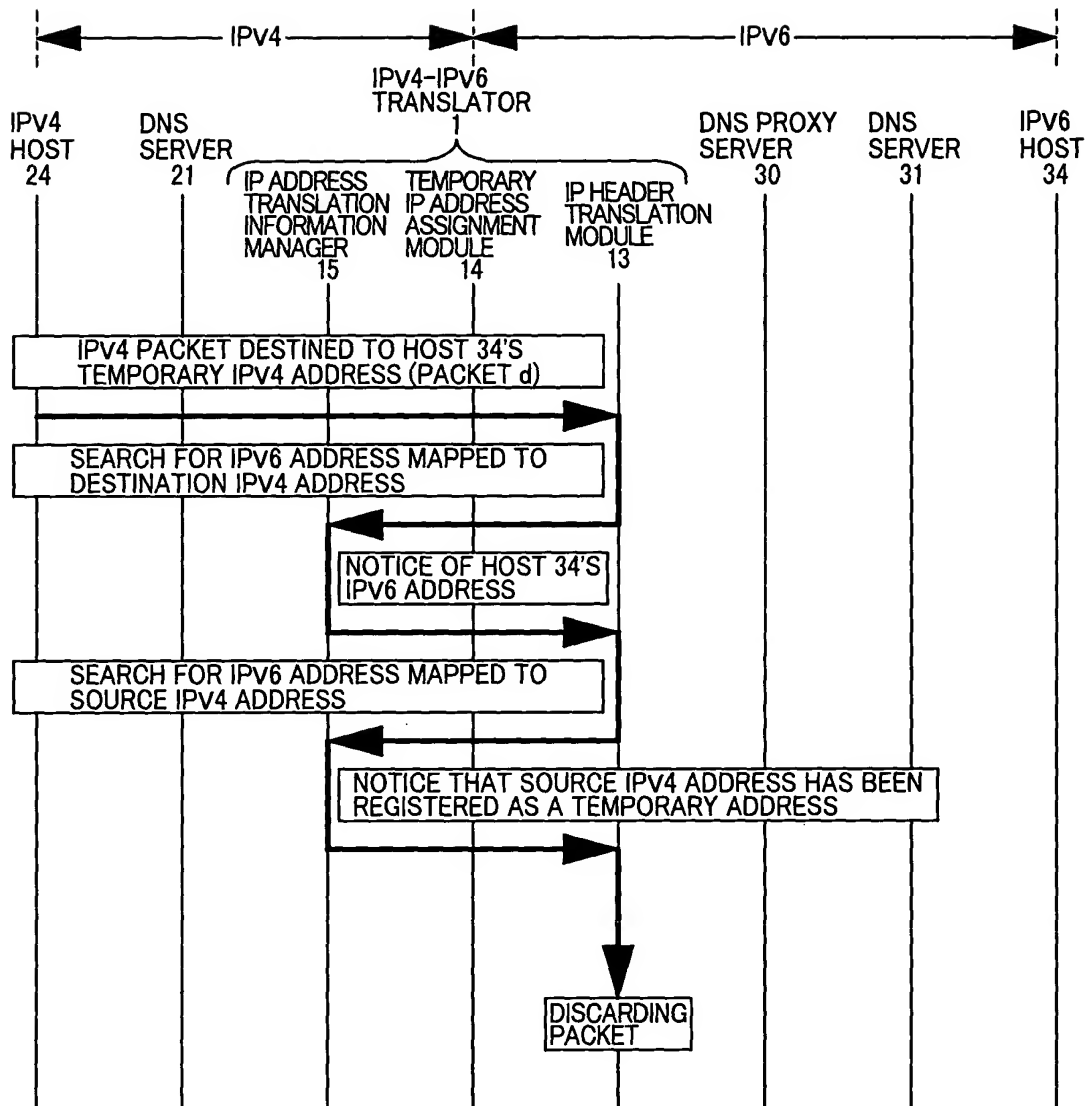


FIG.12

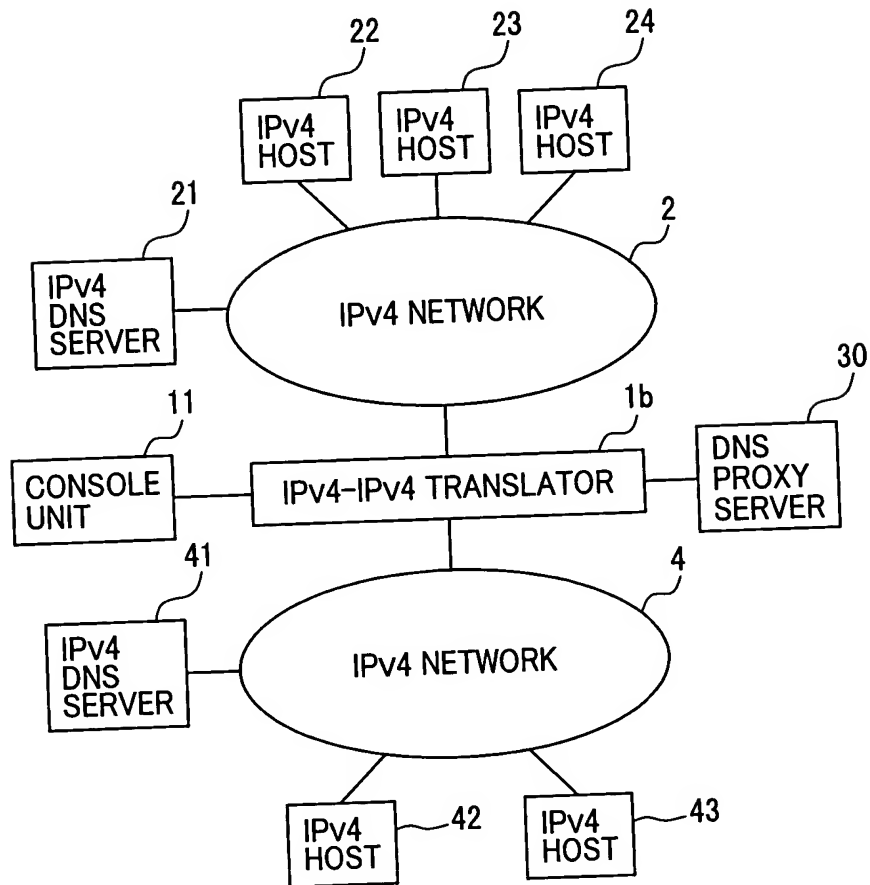


FIG.13

150b	153	154	157	158	155	156
ADDRESS TRANSLATION RULES						
No.	IPv4 ADDRESS VALID IN NETWORK 2 ONLY	ATTRIBUTE	IPv6 ADDRESS	ATTRIBUTE	IPv4 ADDRESS VALID IN NETWORK 4 ONLY	ATTRIBUTE
1	133.11.98.1	0	2001:1::c0a8:0101	0	192.168.1.1	1
2	133.144.10.1	1	3ffe:1::8590:0a01	0	192.168.100.1	0
3	133.11.98.2	0	2001:1::c0a8:0102	0	192.168.1.2	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮
n						

FIG.14

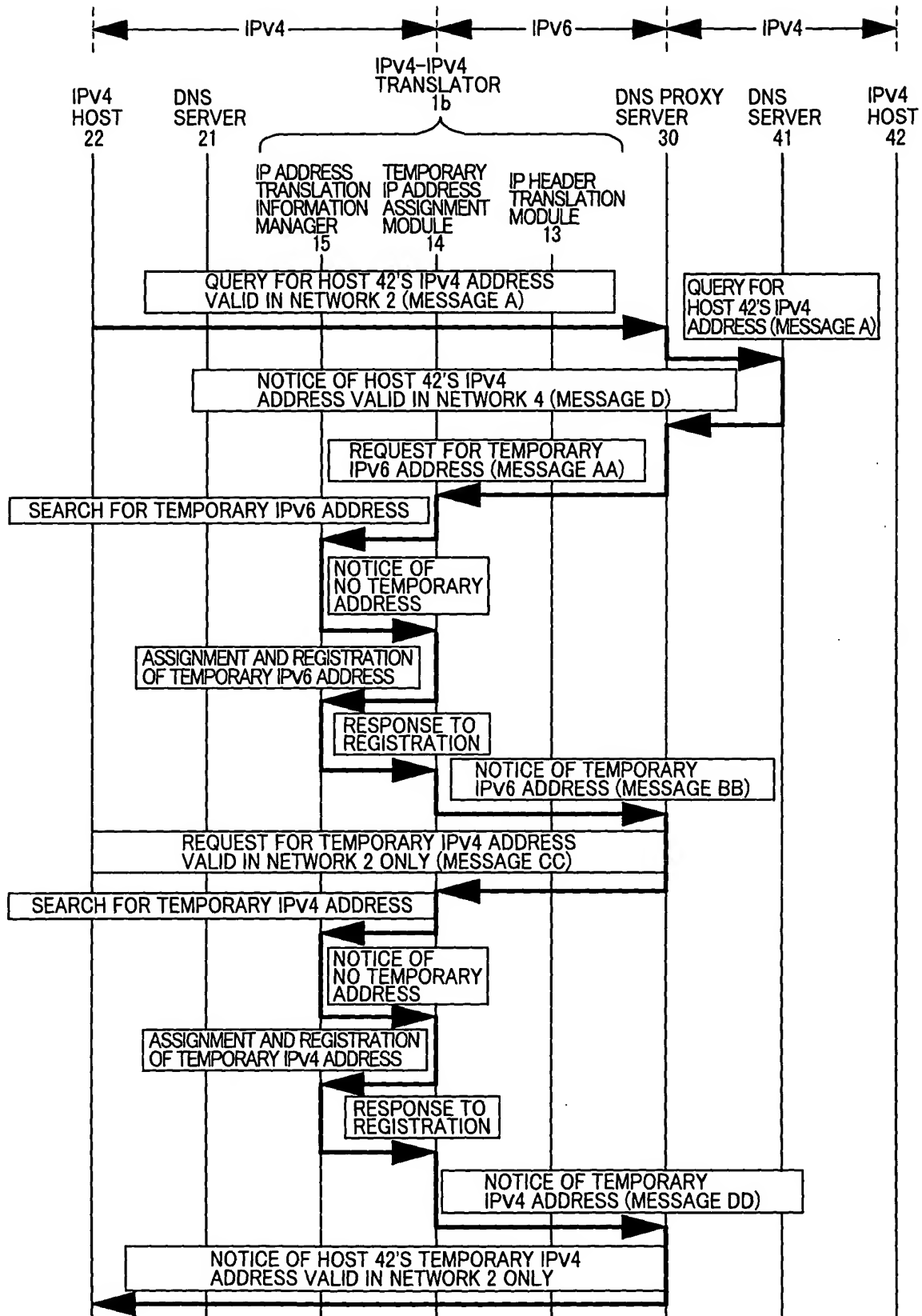


FIG.15

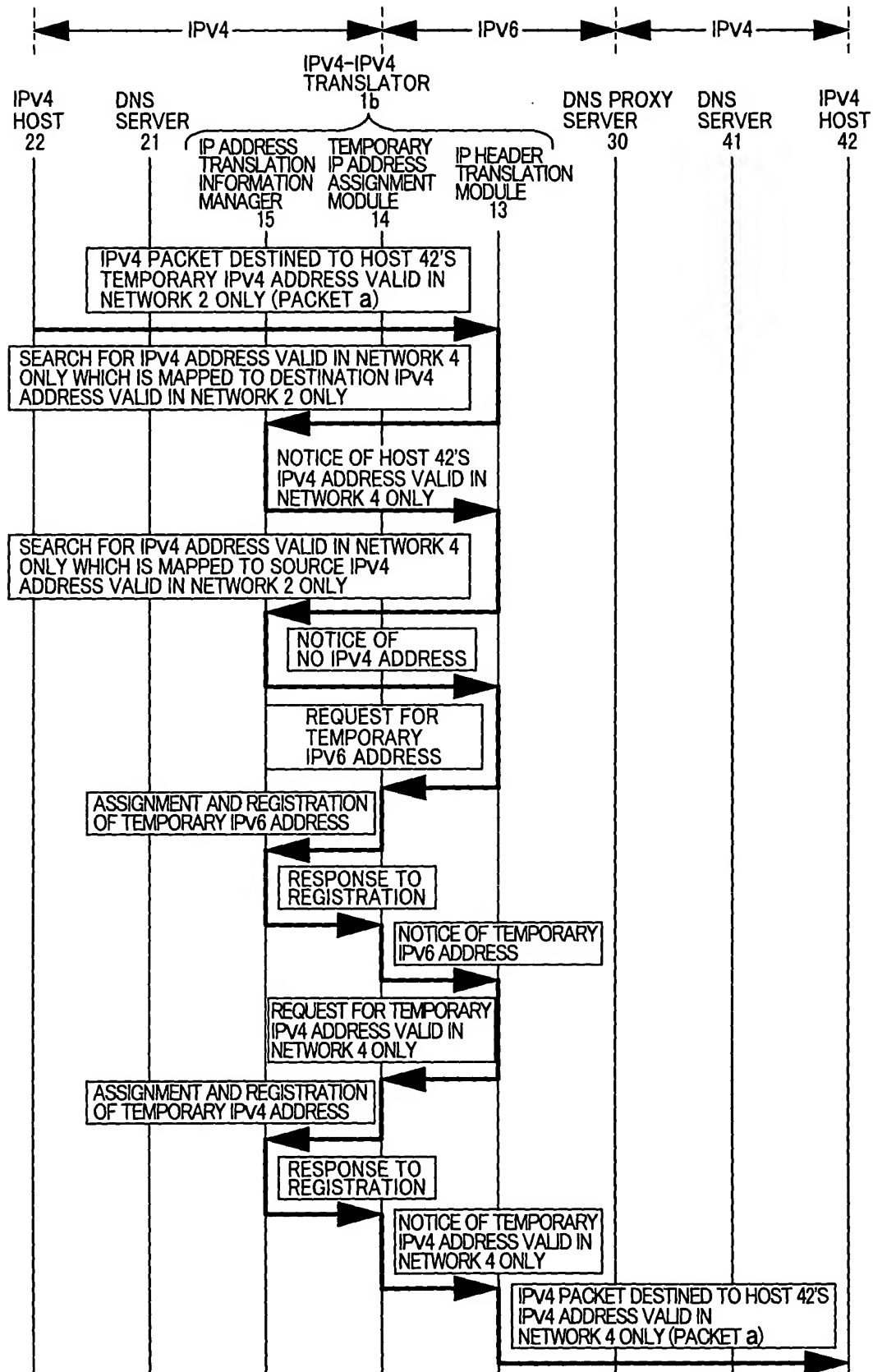


FIG.16

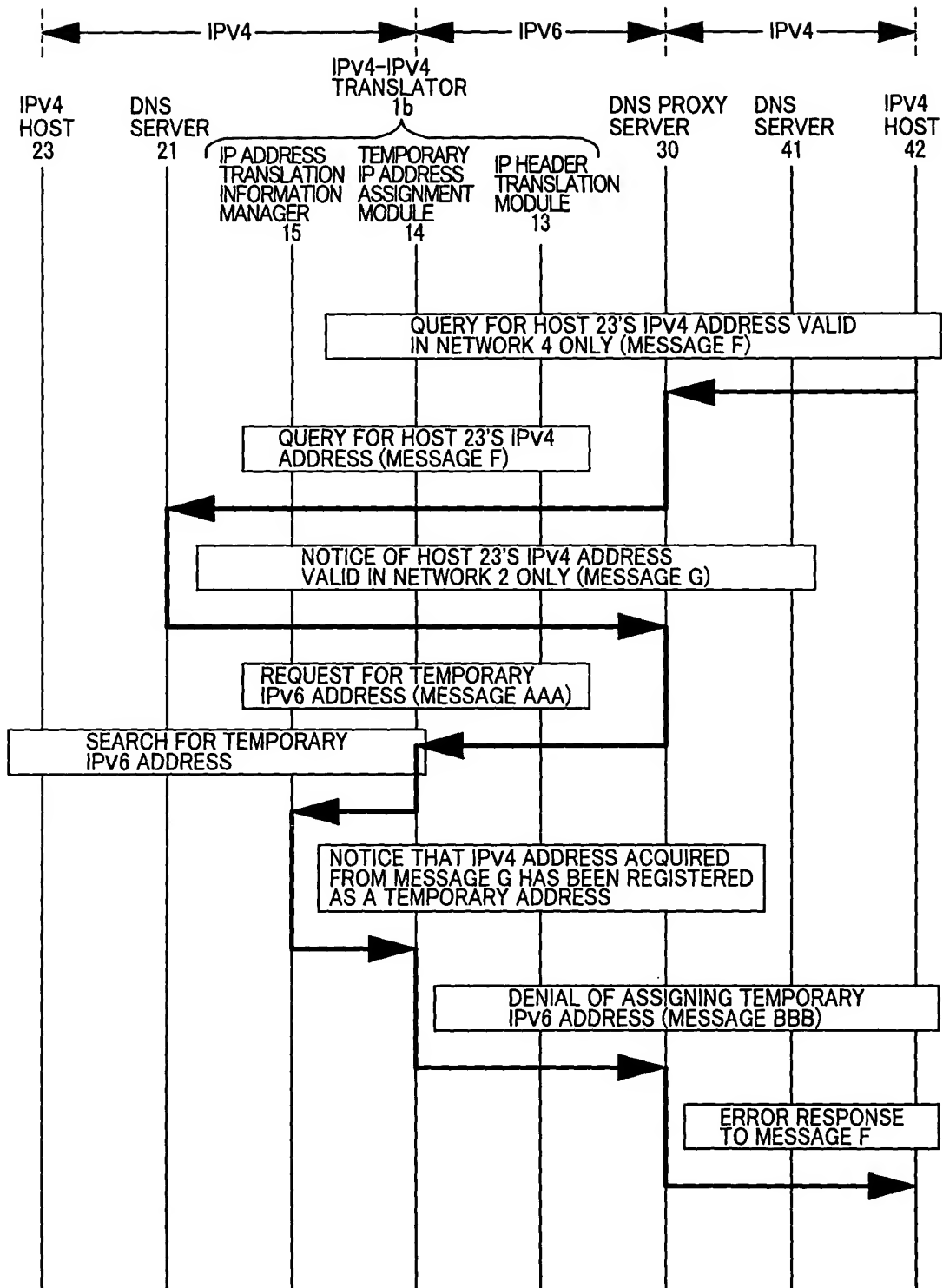


FIG.17

